



AIUB DSpace Publication Details

Title:	Synthesis of Carbon Nanotube by Chemical Vapor Deposition (CVD) Method.		
Author(s) Name:	Munaly Akter, Md. Ehasanul Haque, Md. Masud Parvez and Md. Abdul Matin		
Contact Email(s):	ehasanul@aiub.edu		
Published Journal Name:	Scientific Research Journal		
Type of Publication:	Journal		
Volume:	8	Issue	6
Publisher:			
Publication Date:	June 2020		
ISSN:	2201-2796		
DOI:	10.31364/SCIRJ/v8.i6.2020.P0620780		
URL:	https://www.scirj.org/		
Other Related Info.:	Page 30-33		



AIUB DSpace Publication Details

Abstract:

Abstract-We synthesize the carbon nanotube (CNT) by chemical vapor deposition (CVD). The morphological images have been observed before and after the CNT growth on the Si/SiO₂/Co substrate. Scanning electron microscope (SEM) images confirmed the growth of CNT onto the Si/SiO₂/Co substrate. The SEM image of Si/SiO₂/Co substrate having no CNT was found little dark due to having Co catalyst on the top, whereas lots of amorphous carbon was existed on the Si/SiO₂/Co/CNT surface according to SEM image. The growing CNT has no regularity and directionality.